

FIG.1C

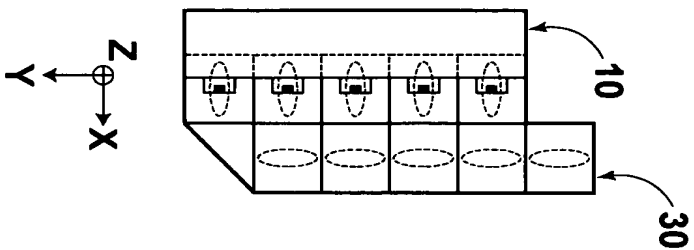


FIG.1A

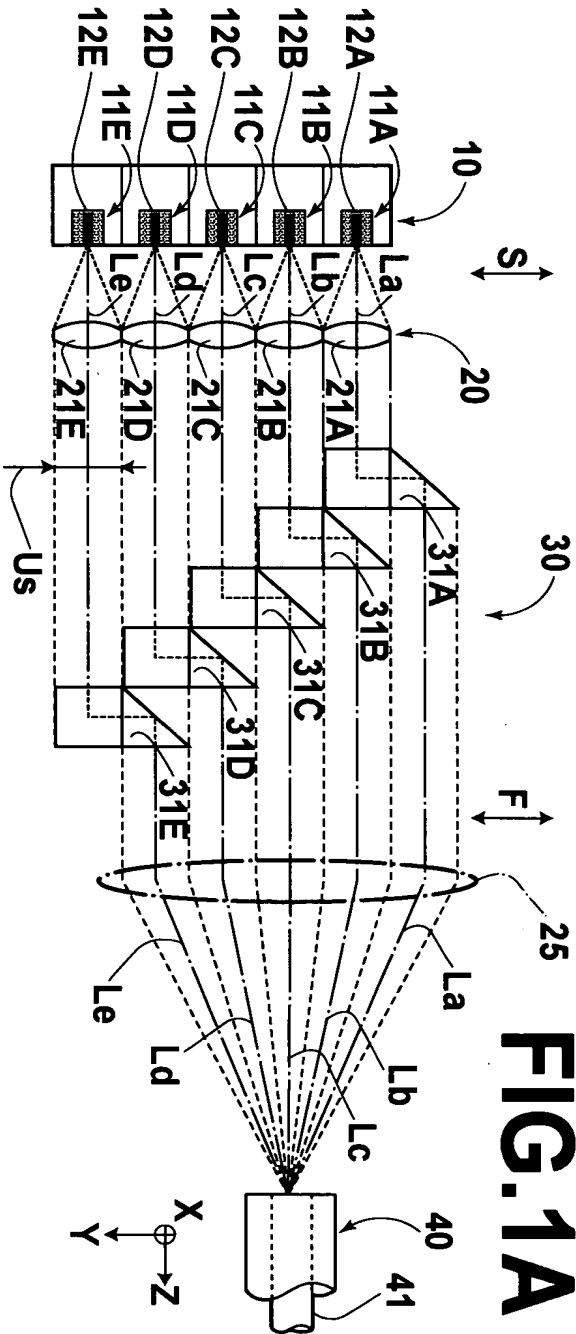
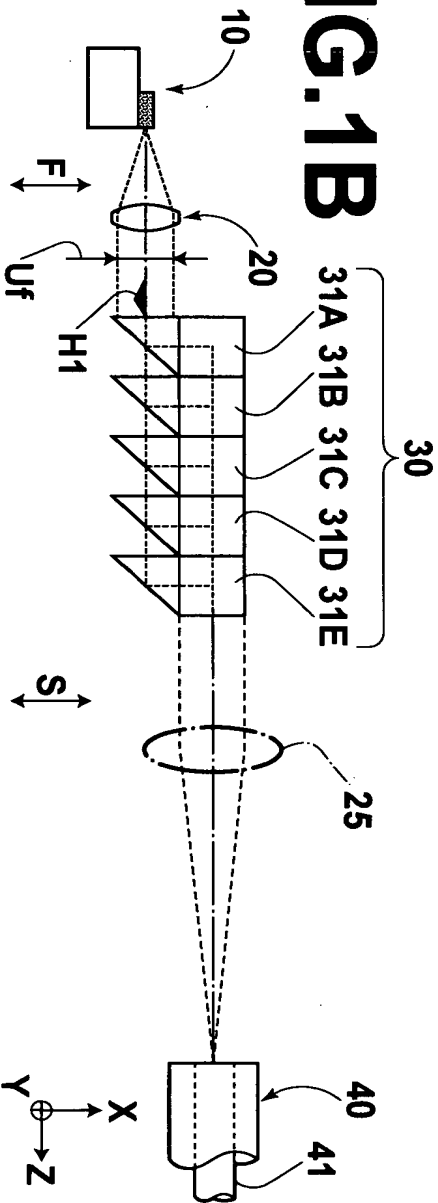
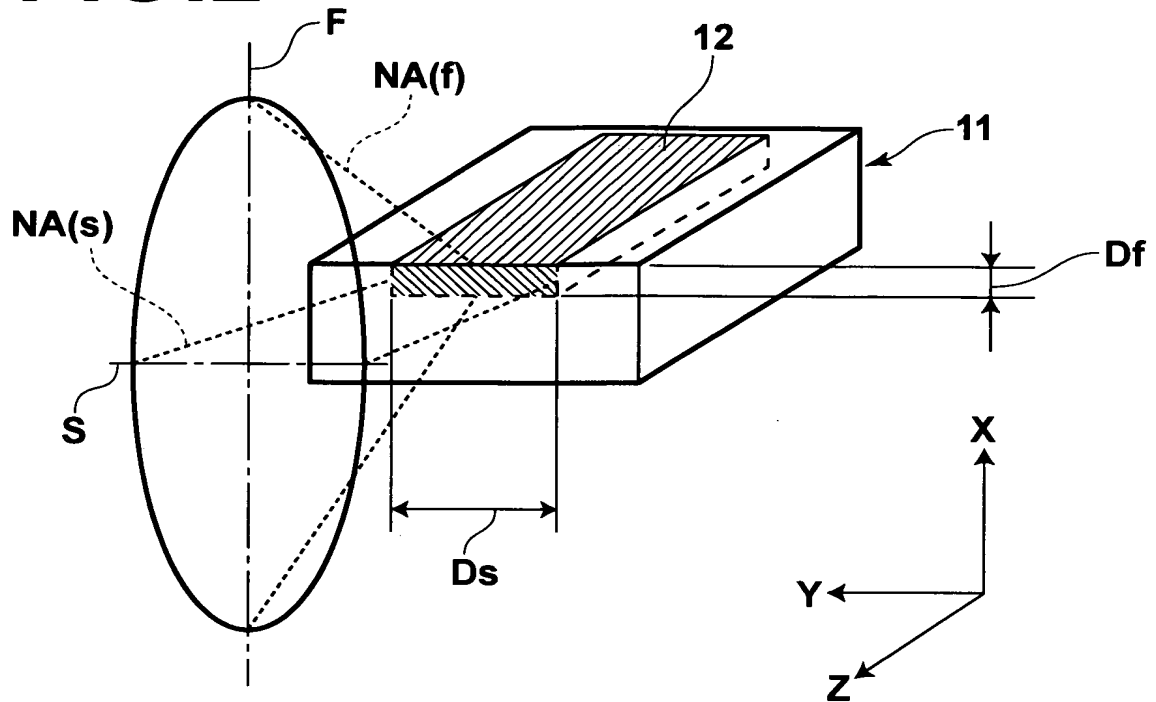


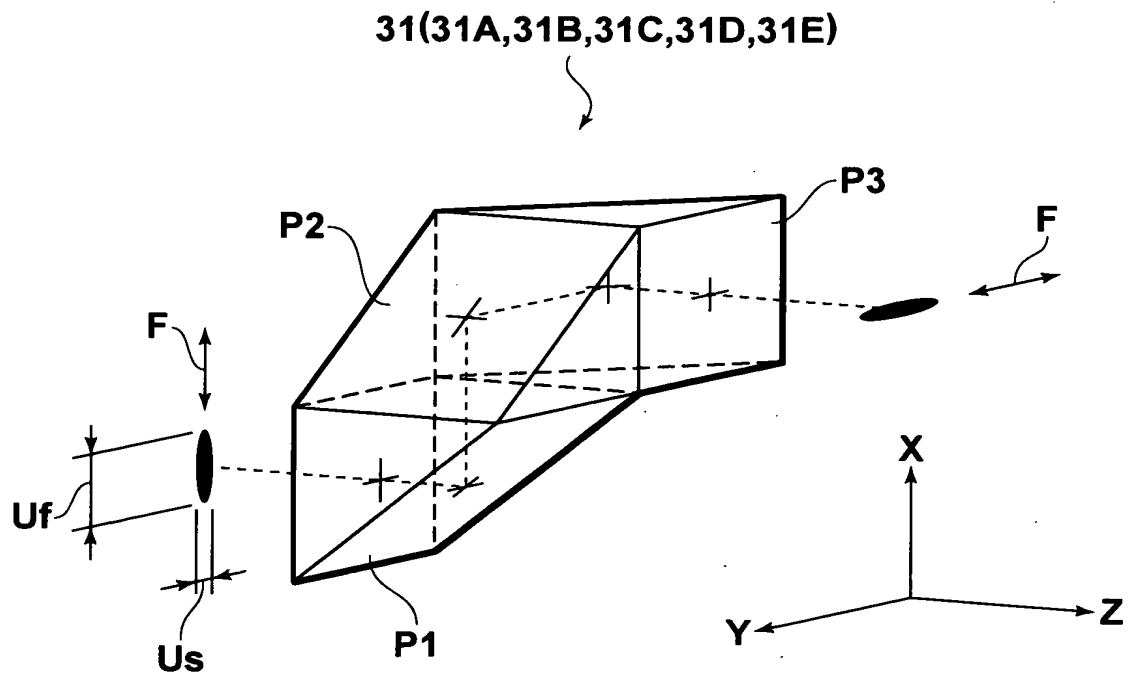
FIG.1B



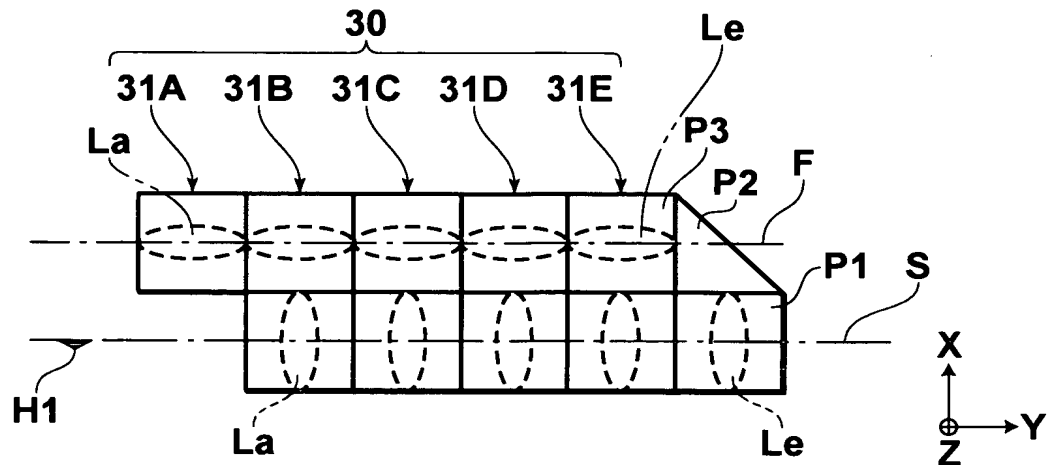
**FIG.2**



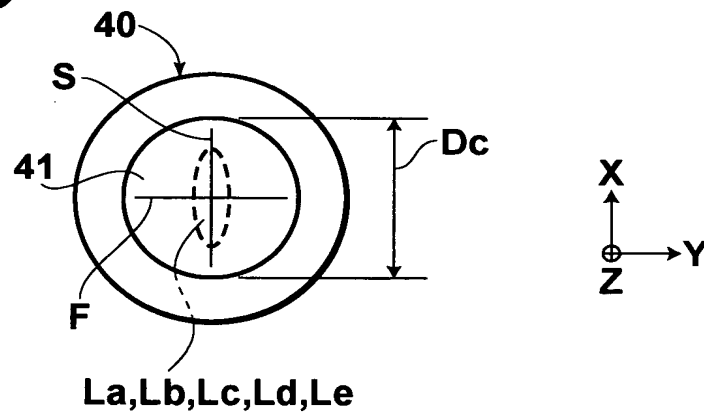
**FIG.3**



**FIG.4A**

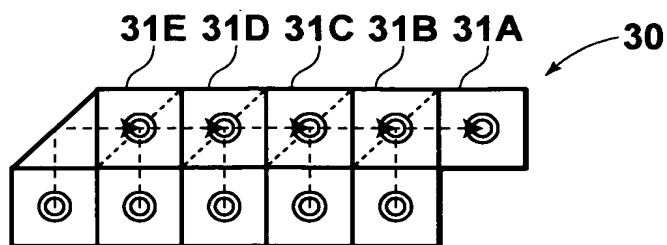
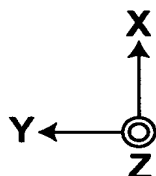


**FIG.4B**

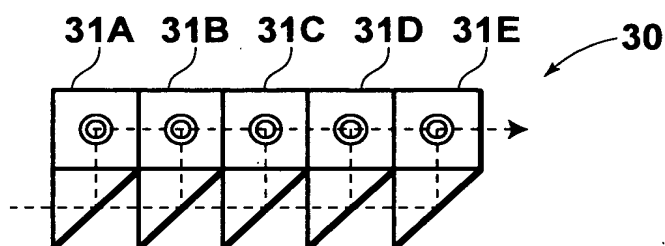
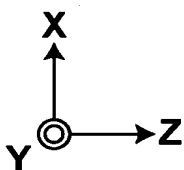


⊙ INDICATE OPTICAL PATHS PERPENDICULAR TO THE DRAWING SHEET

**FIG.5A**



**FIG.5B**



**FIG.5C**

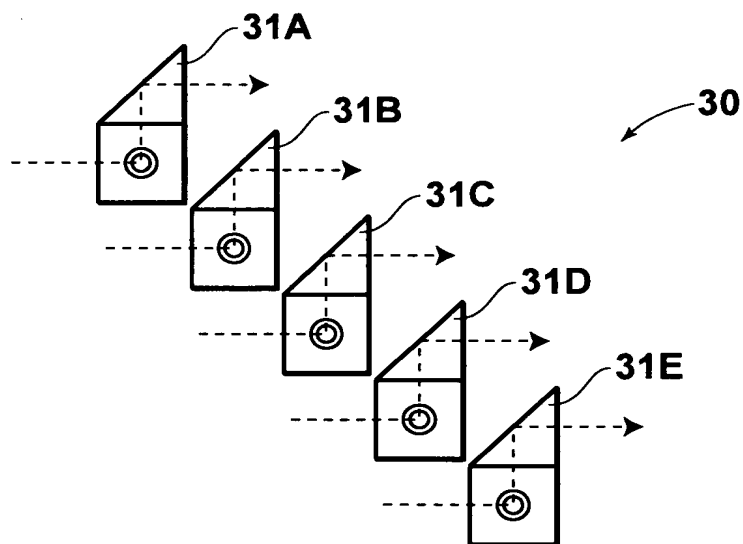
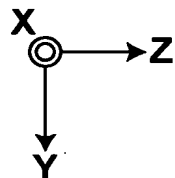


FIG.6A

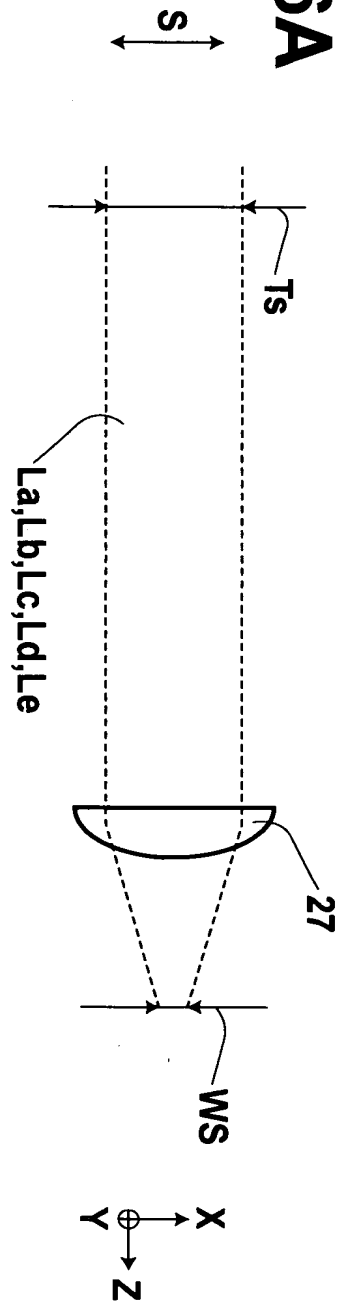
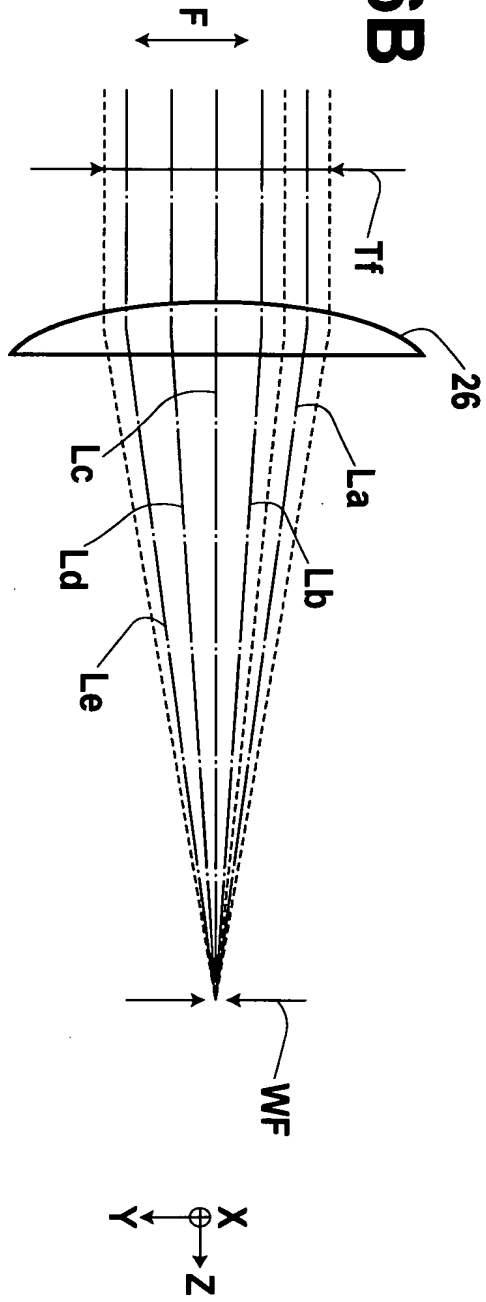


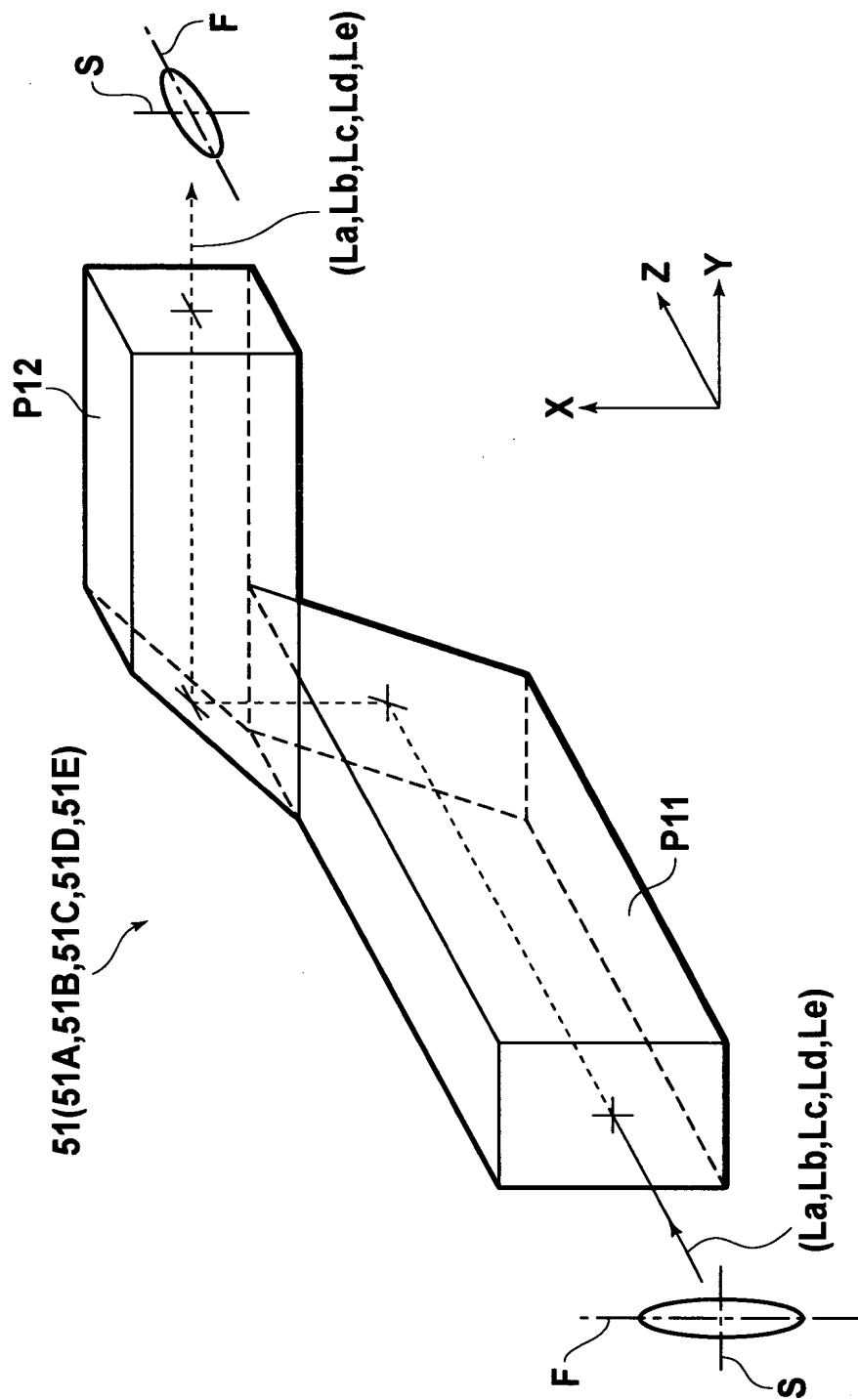
FIG.6B



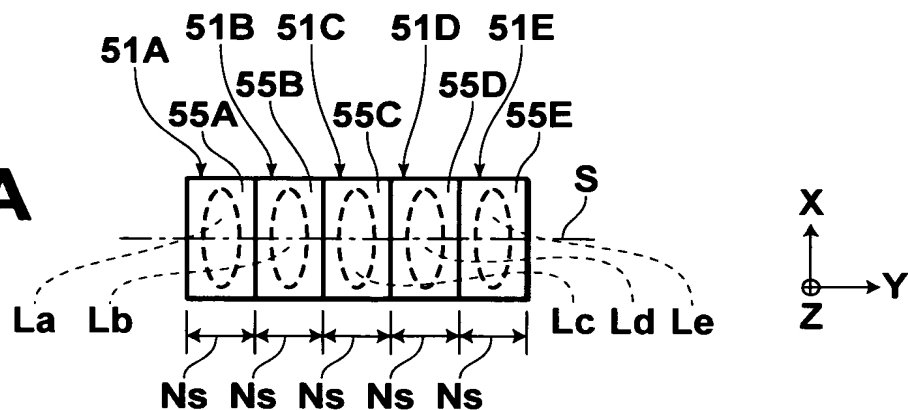
**FIG. 7**

FIG. 7 is a schematic diagram of a multi-layered optical device. The device consists of a substrate 10 with five vertical columns of elements labeled 55A, 55B, 55C, 55D, and 55E. Each column contains a series of elements labeled La, Lb, Lc, Ld, and Le. Above these columns is a series of five horizontal layers labeled 51A, 51B, 51C, 51D, and 51E. To the right of these layers is a series of five vertical layers labeled 56A, 56B, 56C, 56D, and 56E. Each vertical layer contains a series of elements labeled La, Lb, Lc, Ld, and Le. A coordinate system is shown in the top right corner with X, Y, and Z axes. A dashed line 20 indicates a cross-section through the device. A dashed line 40 indicates a cross-section through the device, showing a central element 41.

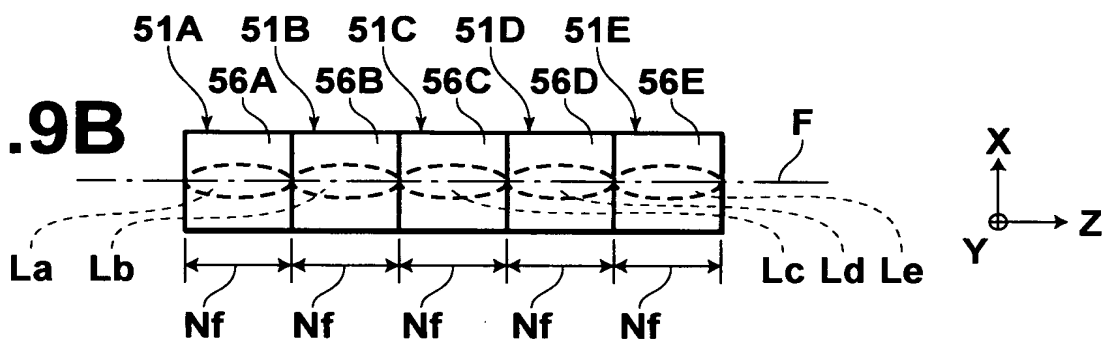
**FIG. 8**



**FIG.9A**



**FIG.9B**



**FIG.9C**

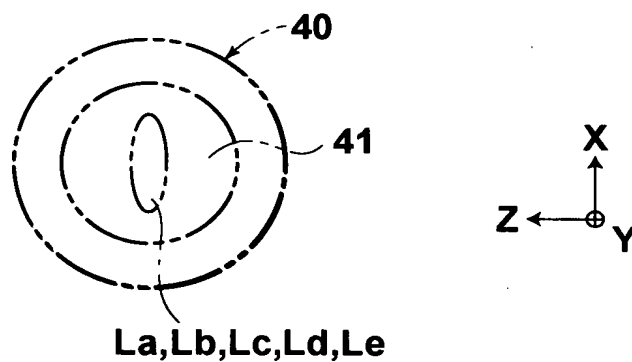




FIG.10A

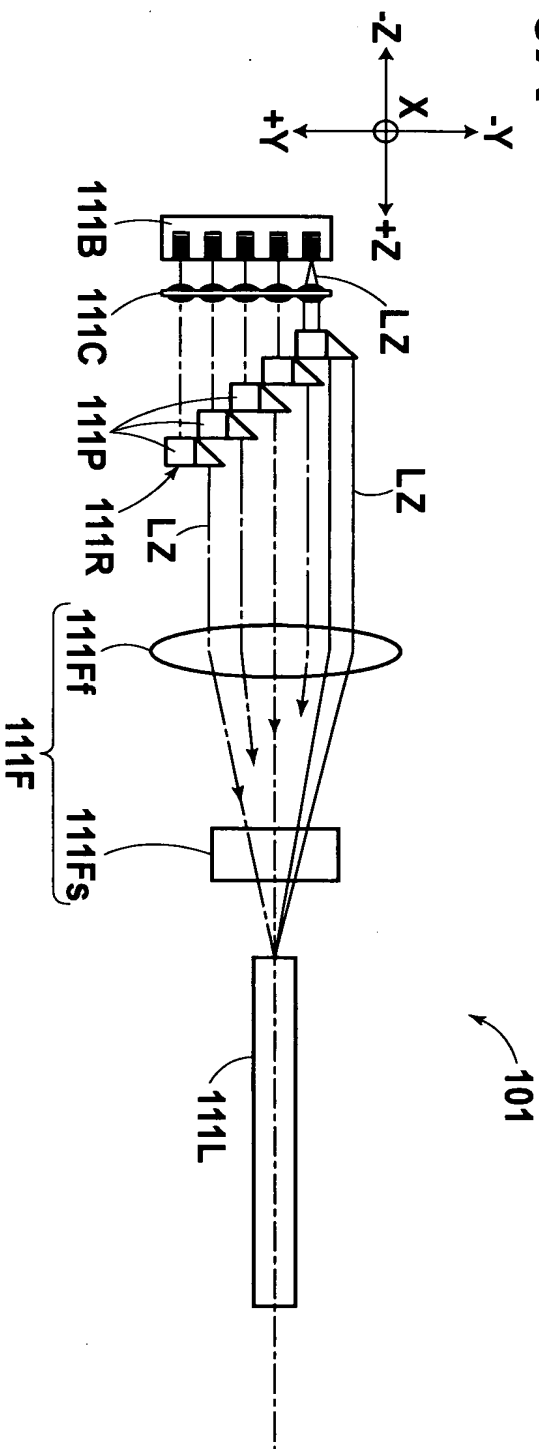
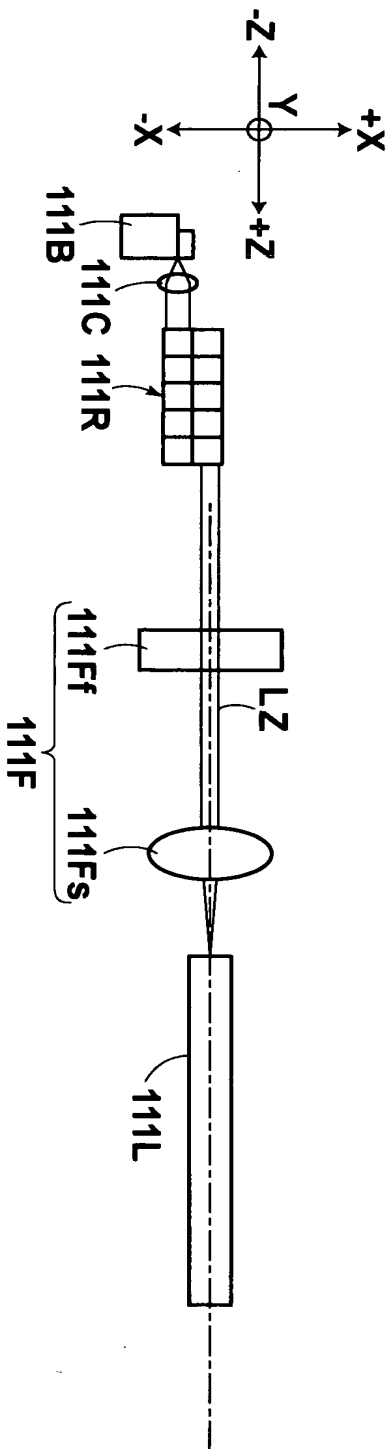


FIG.10B



# FIG.11

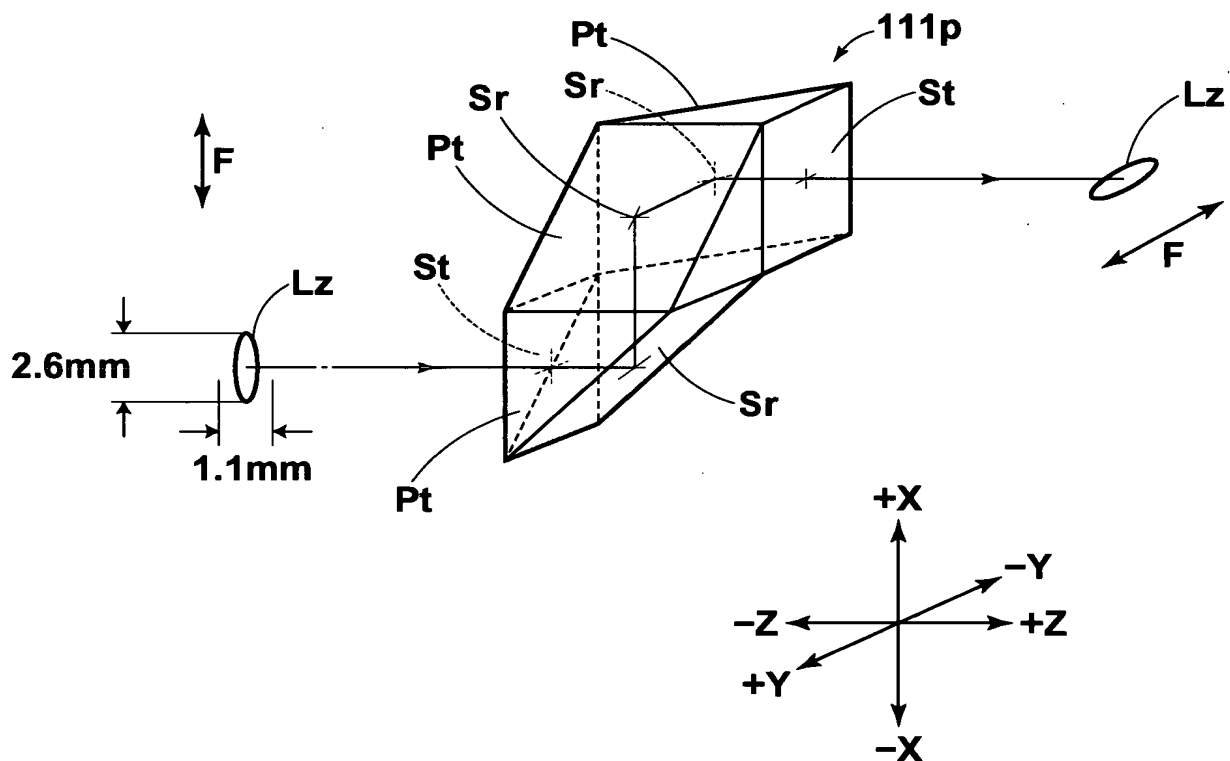


FIG. 12A

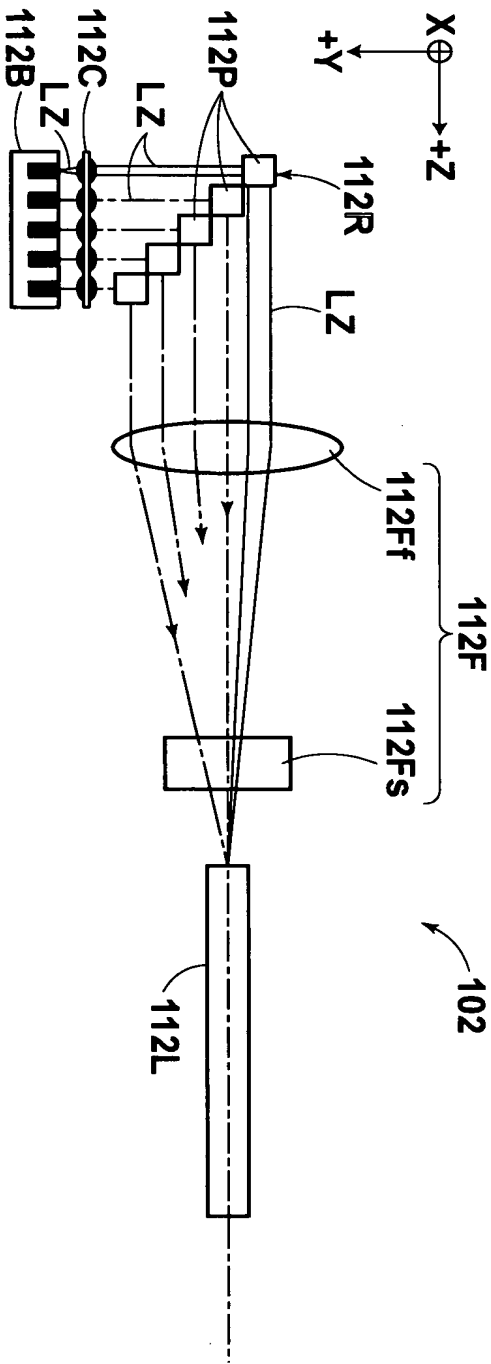
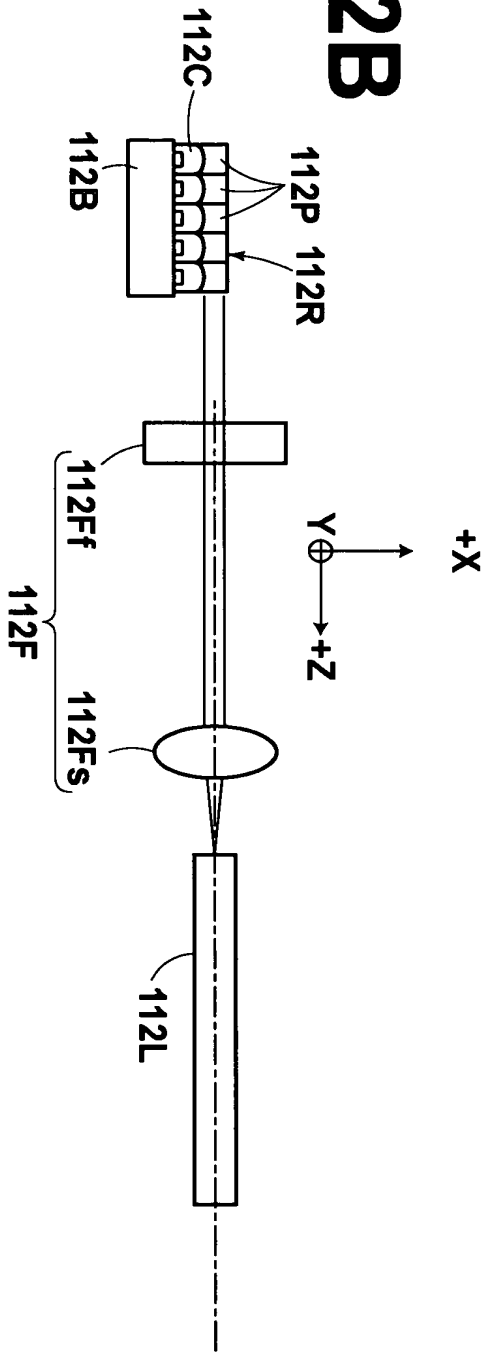


FIG. 12B



# FIG.13

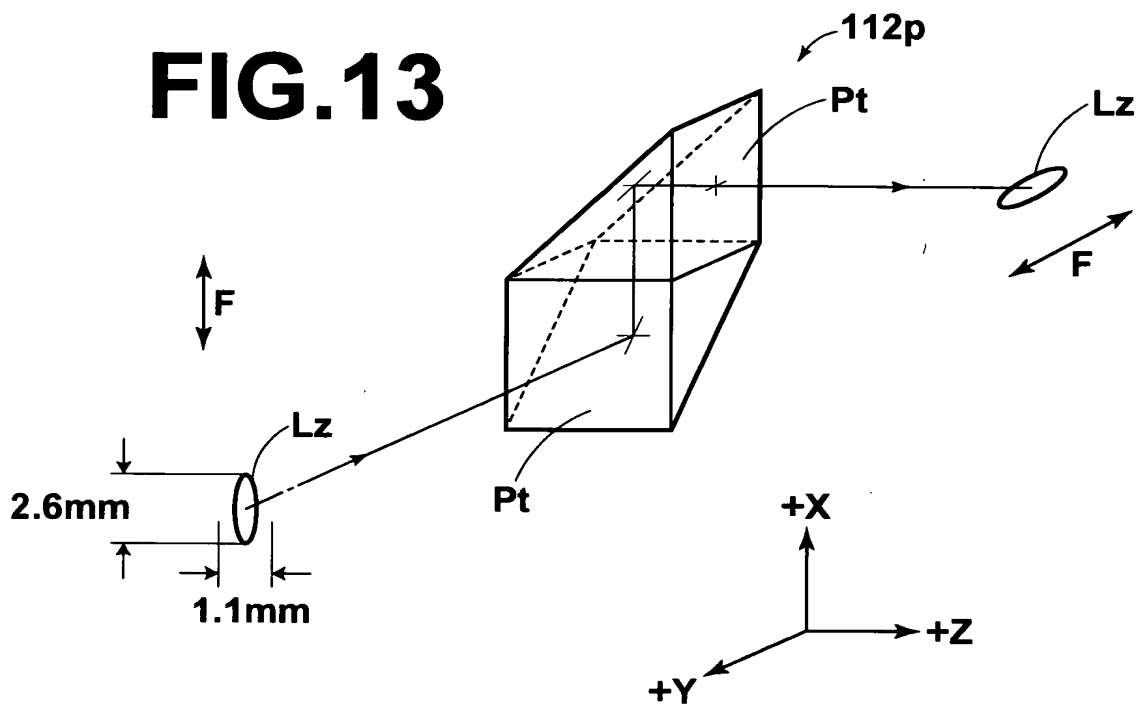


FIG.14A

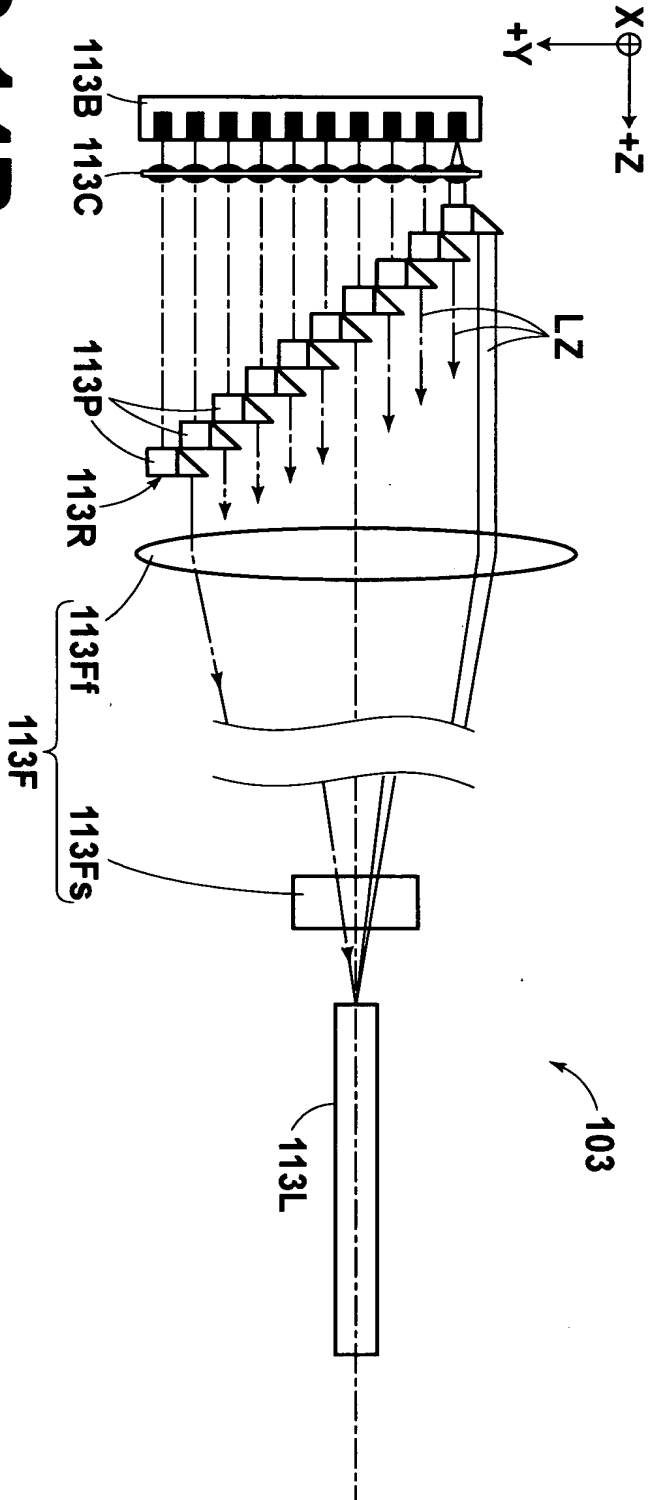


FIG.14B

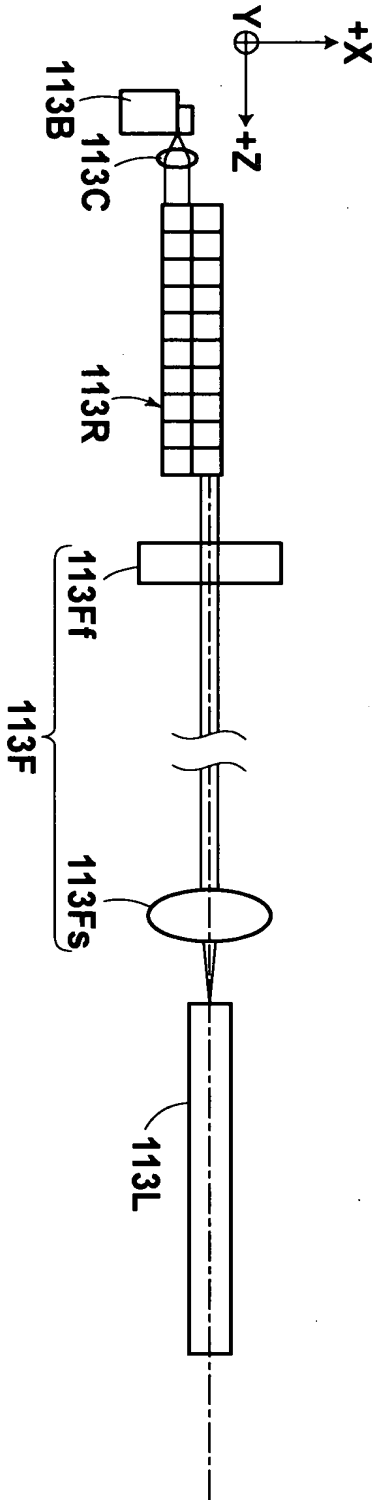




FIG.16

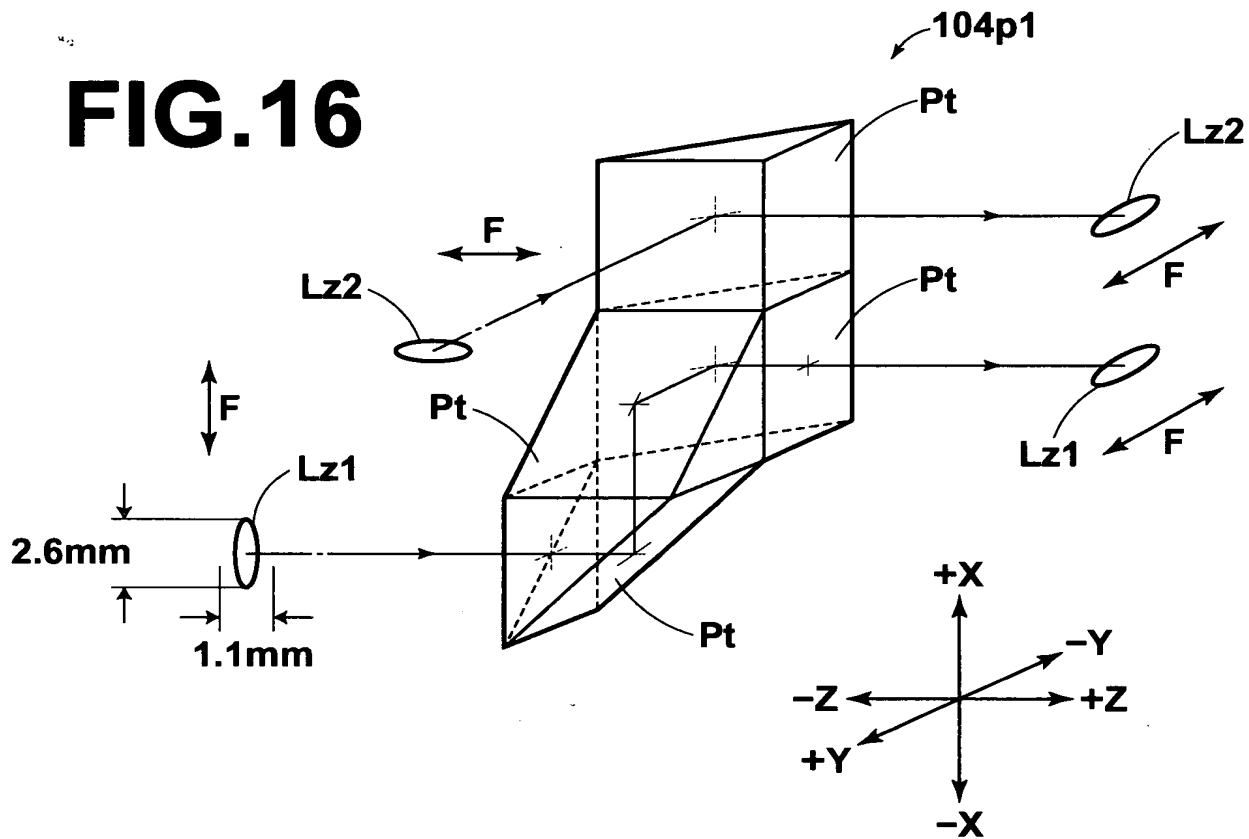
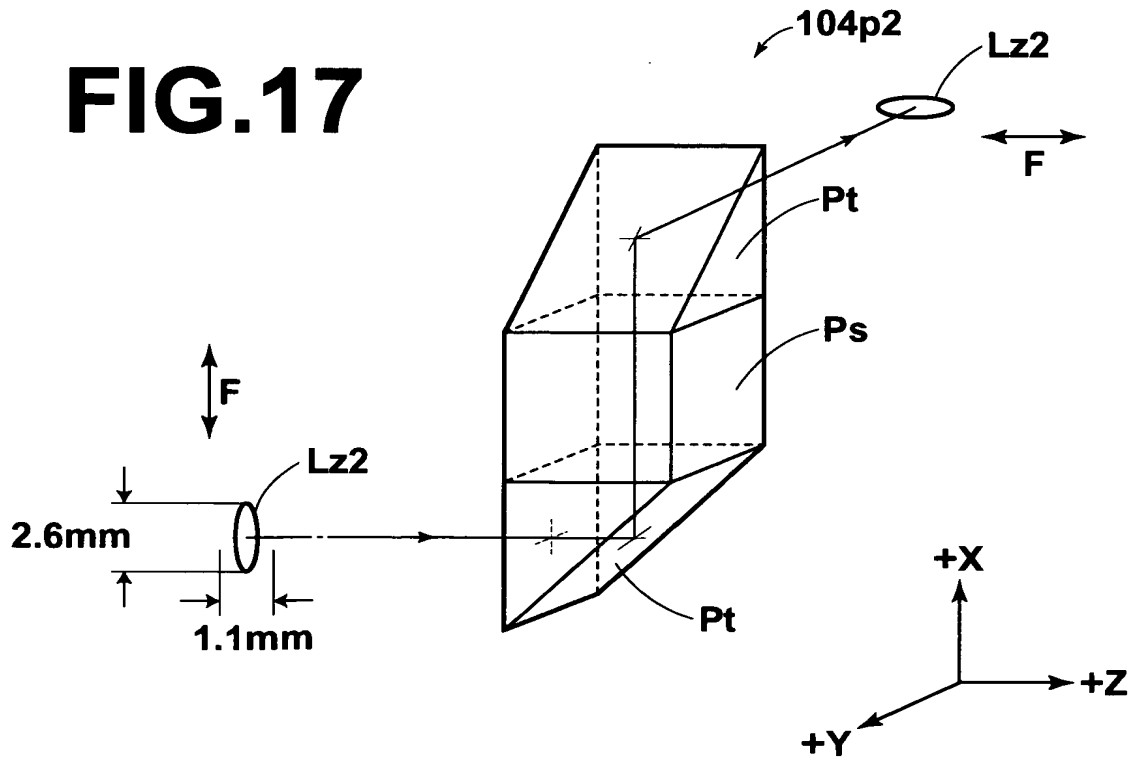
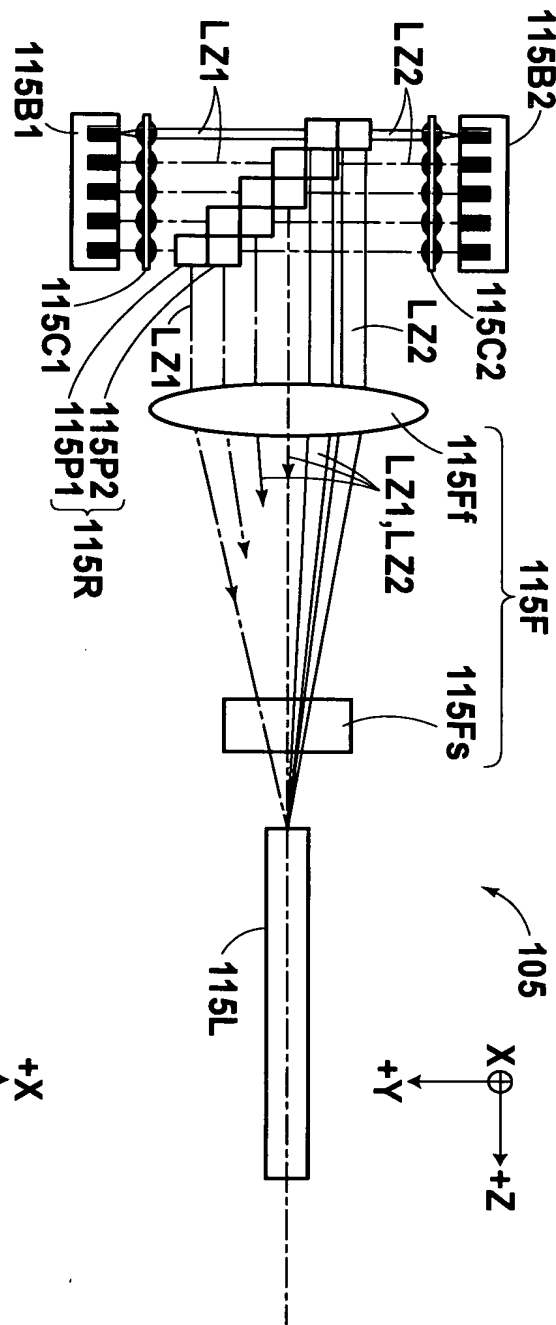


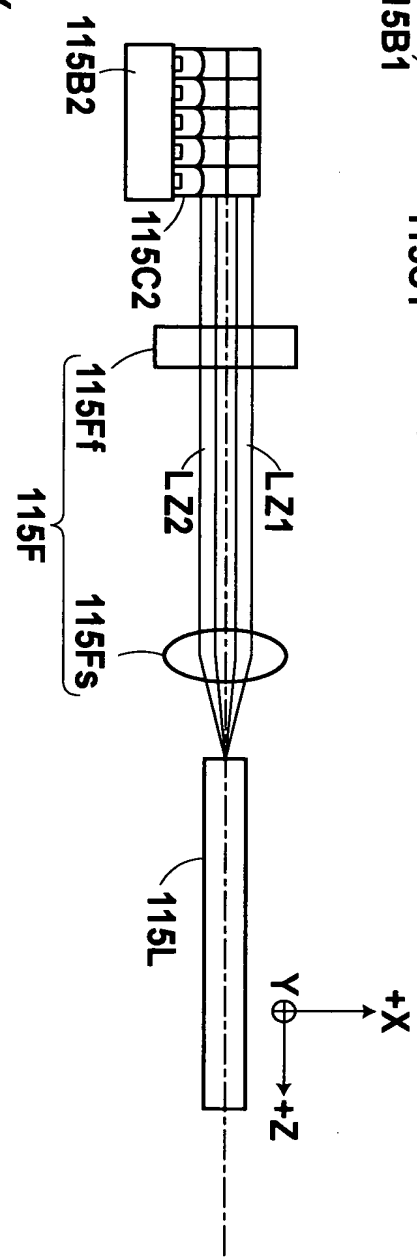
FIG.17



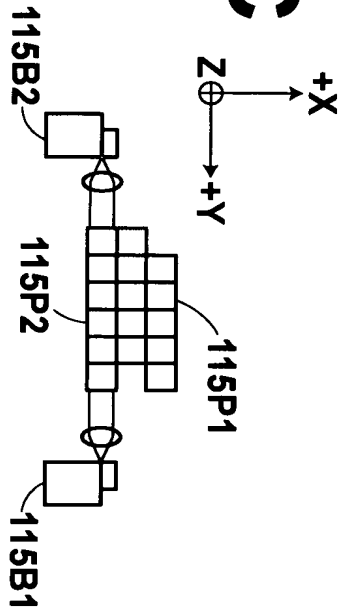
**FIG. 18A**



**FIG. 18B**

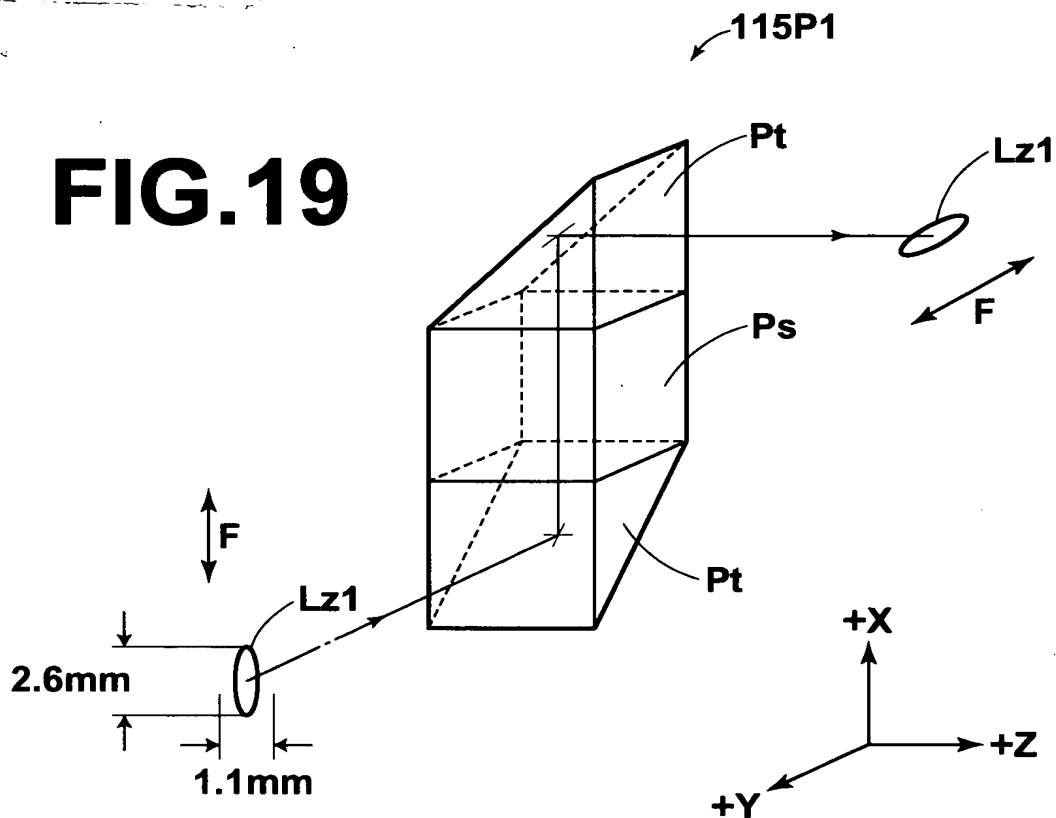


**FIG. 18C**

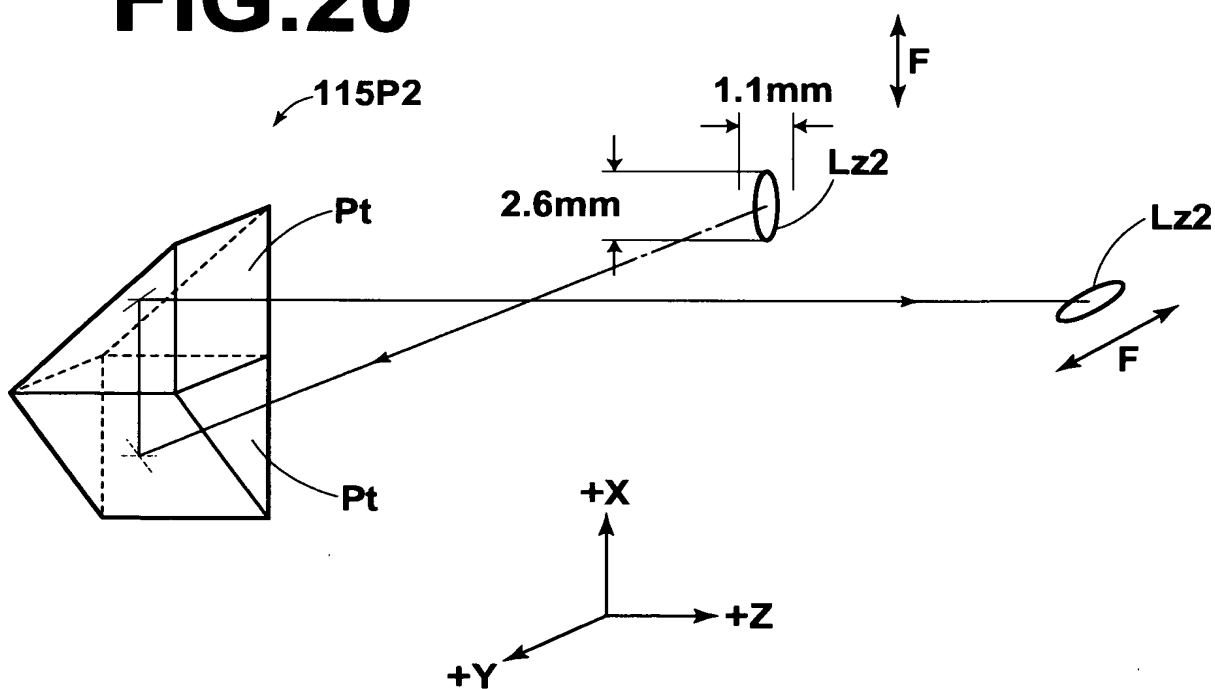




**FIG.19**

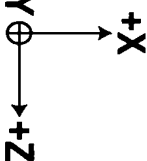


**FIG.20**



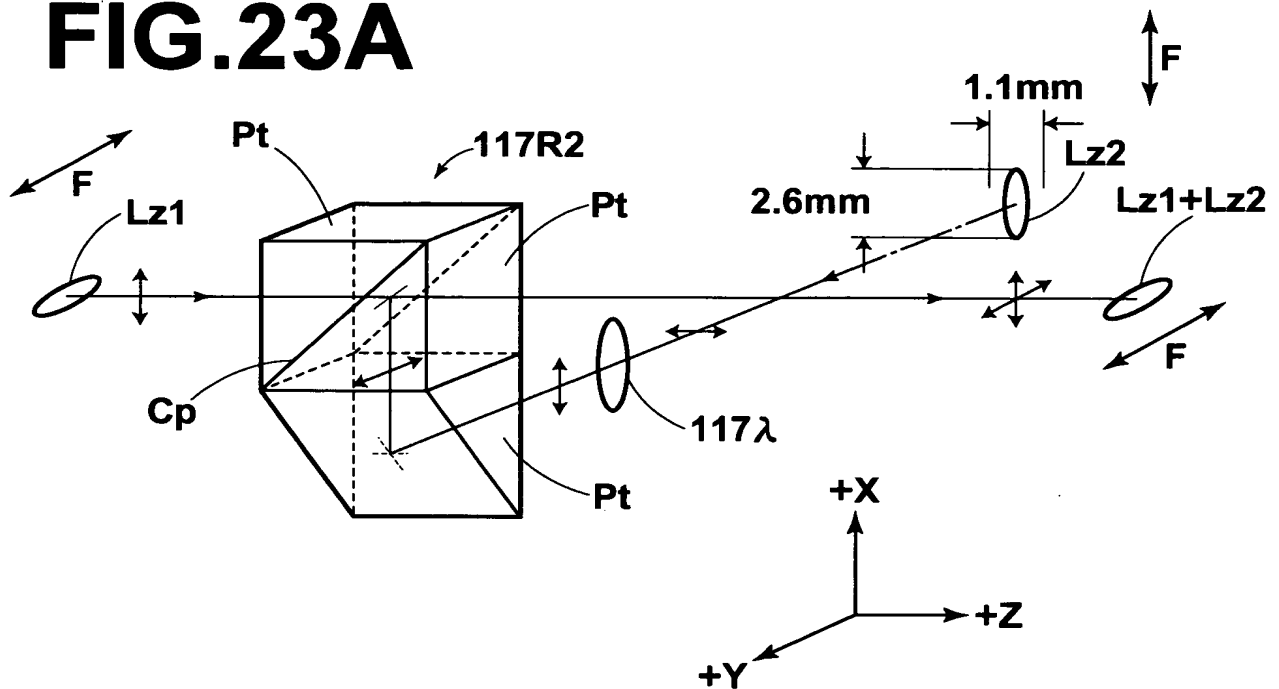


**FIG. 21B**

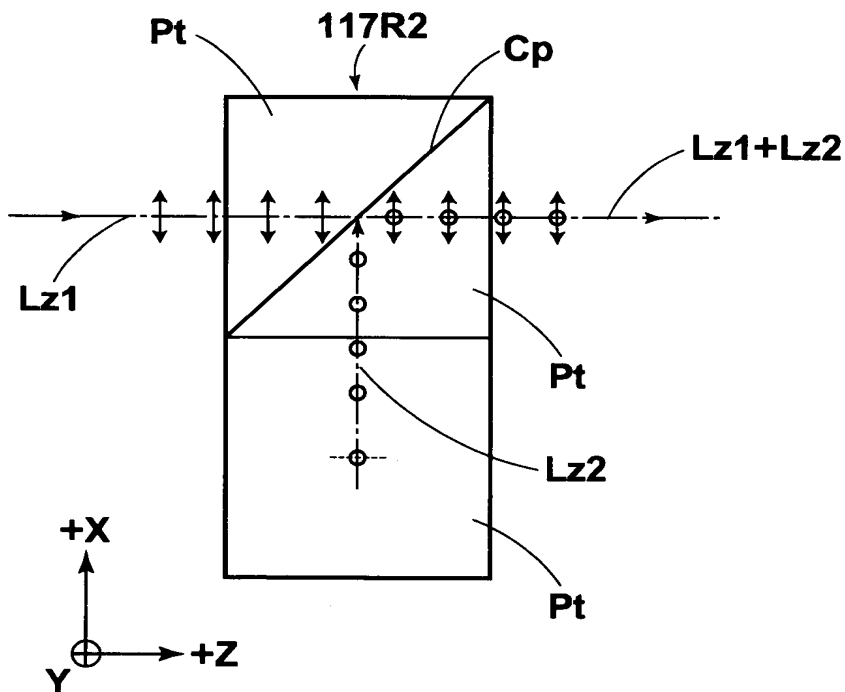




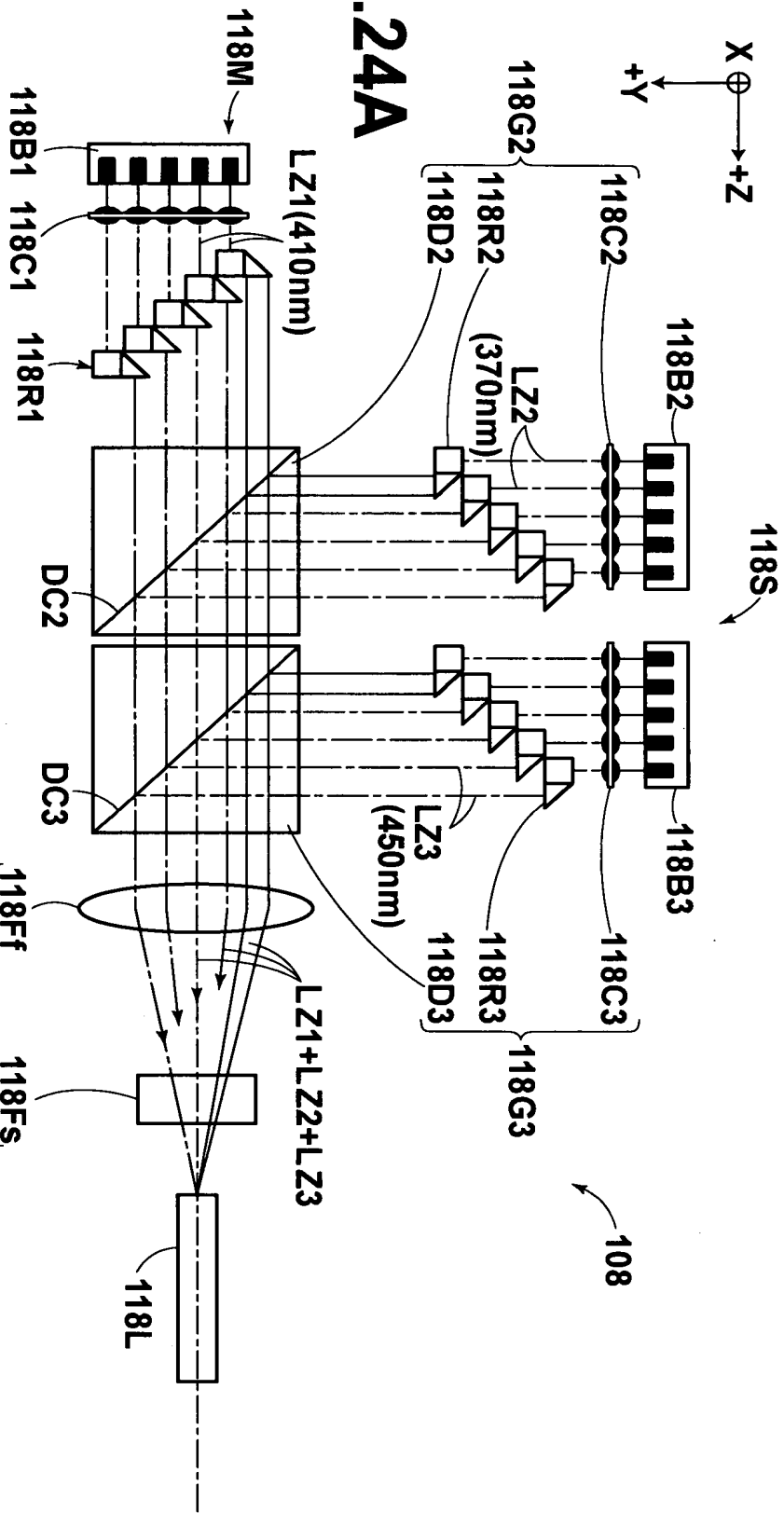
# FIG.23A



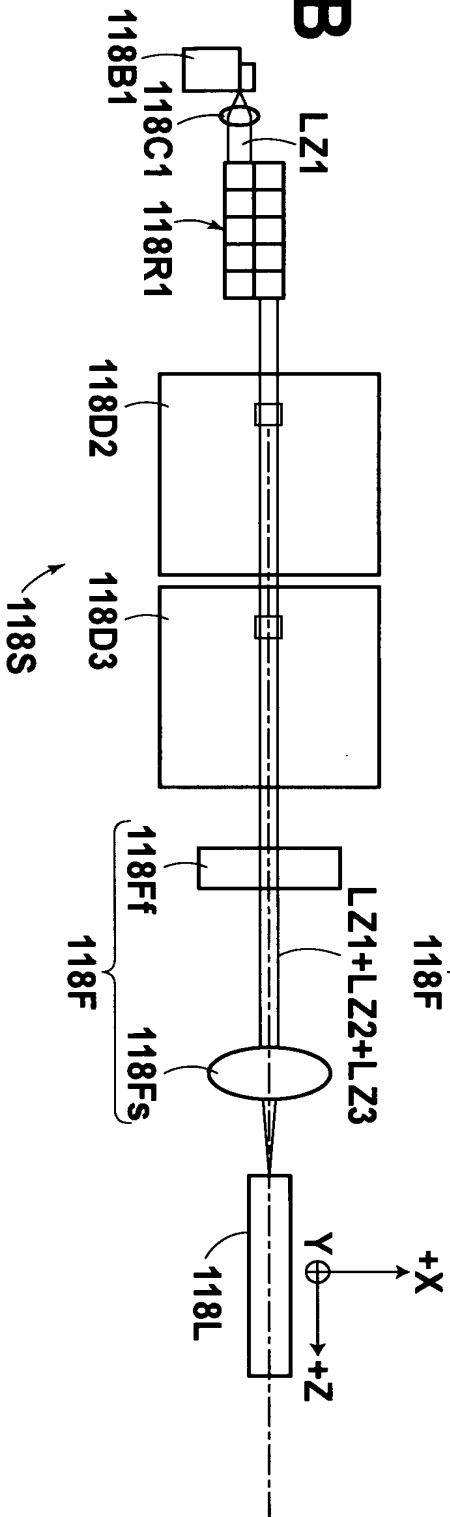
# FIG.23B



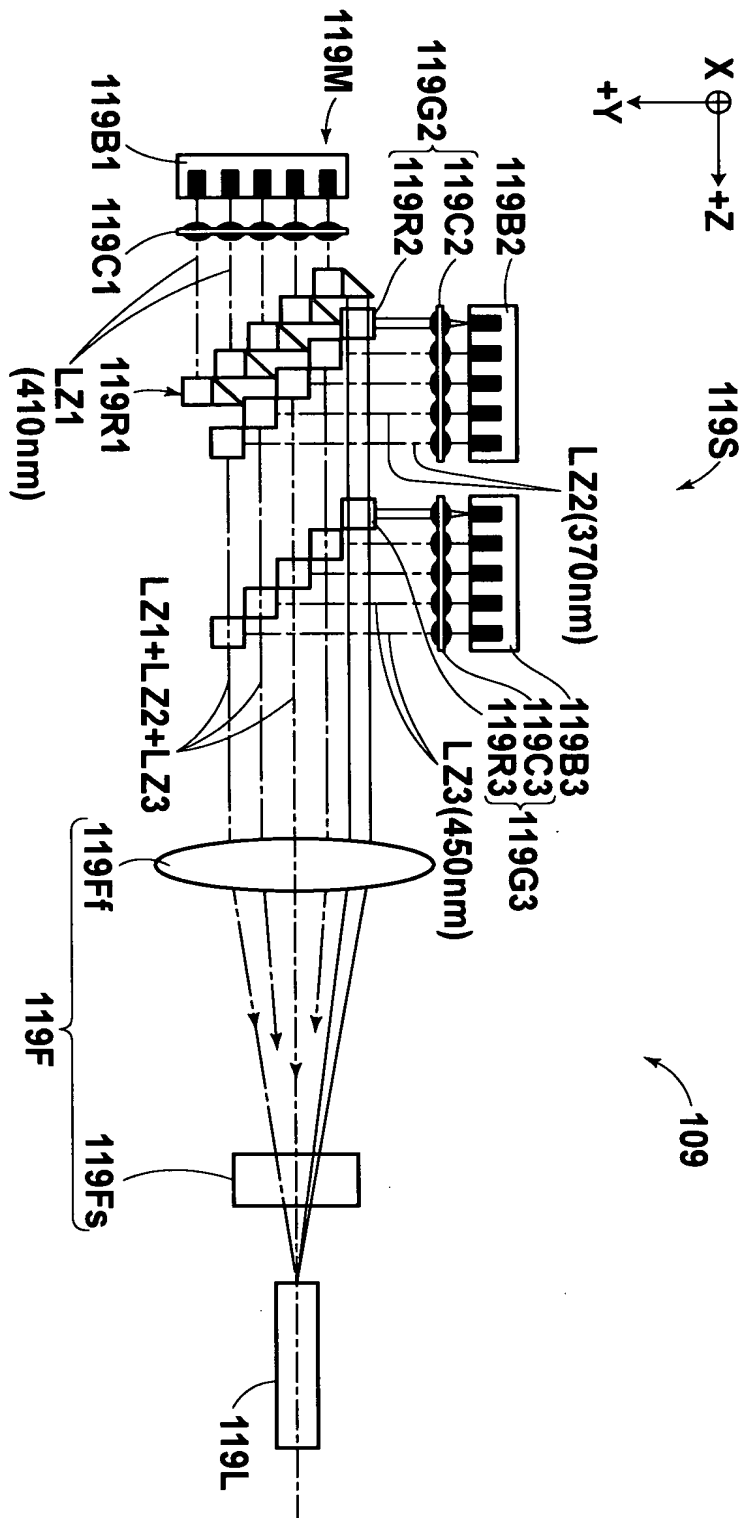
# FIG.24A



# FIG.24B



# FIG. 25A



# FIG. 25B

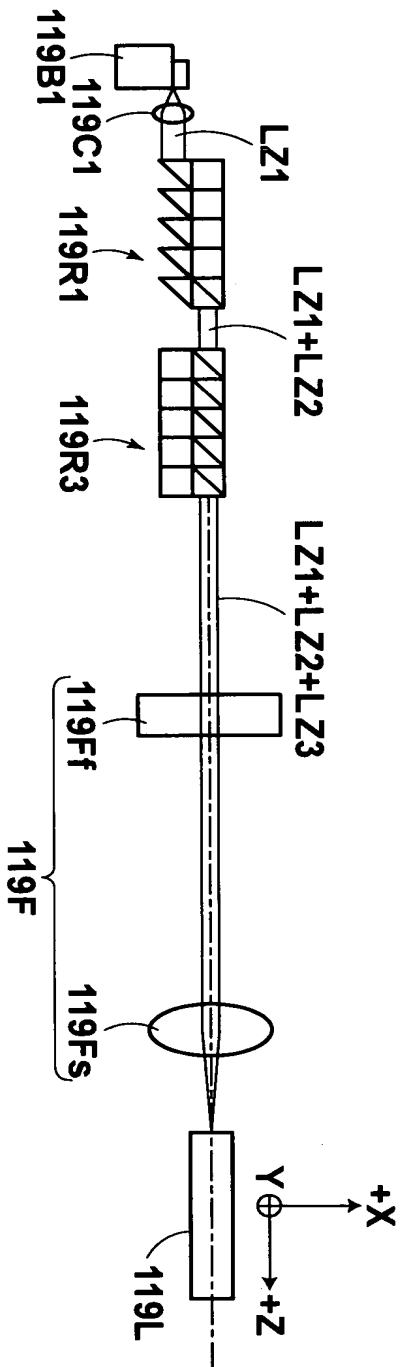


FIG.26A

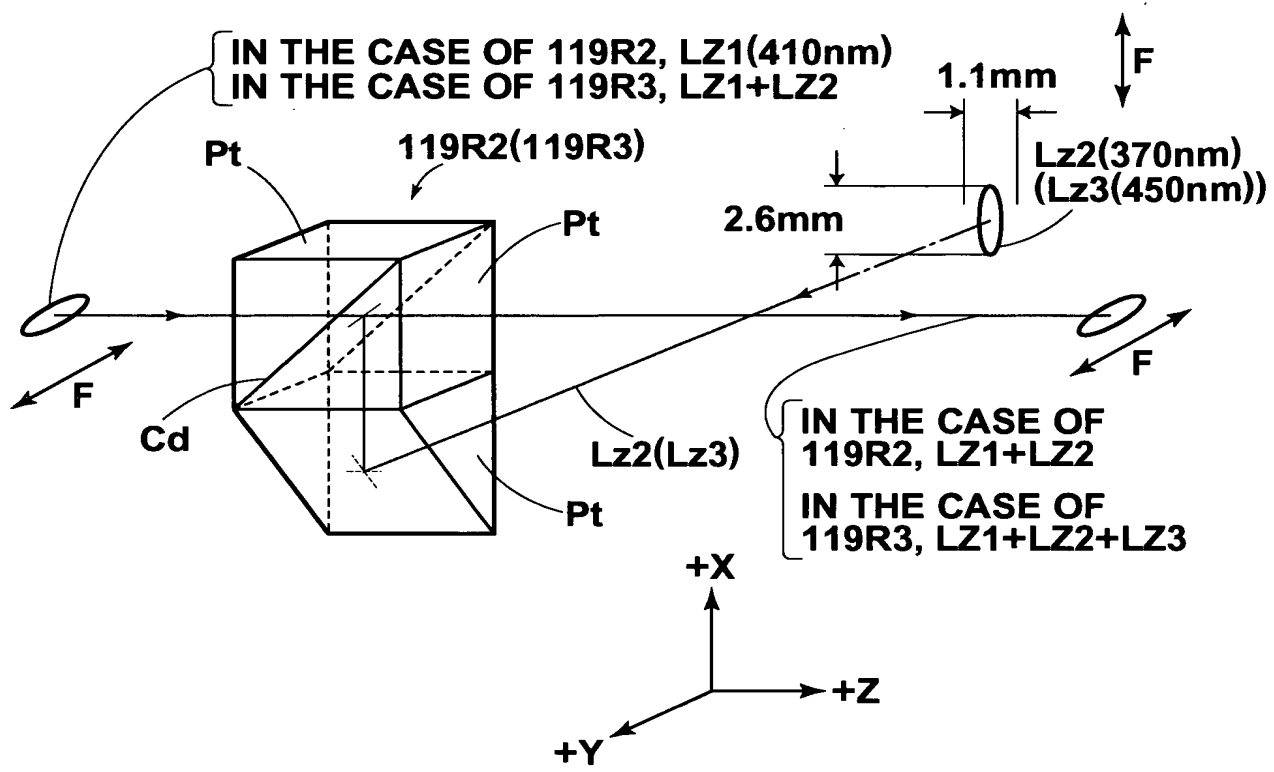
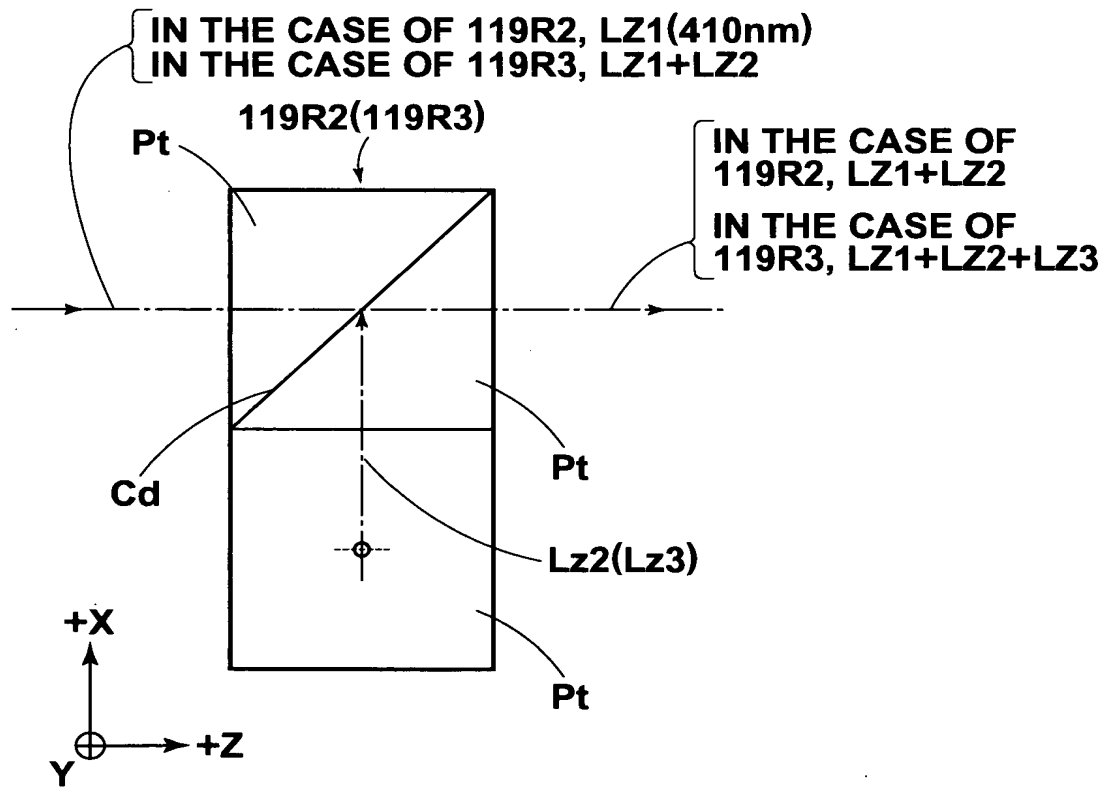
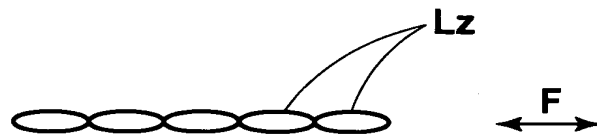


FIG.26B



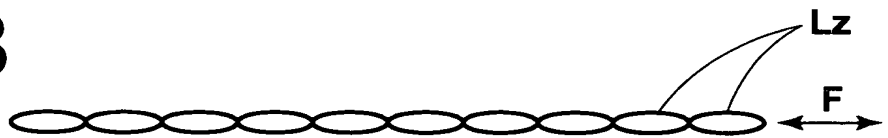
**FIG.27A**

Ex 1,2,6,7,8,9



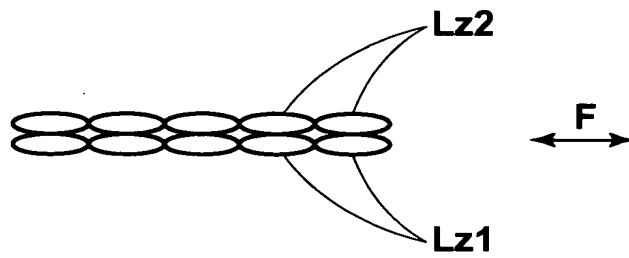
**FIG.27B**

Ex 3



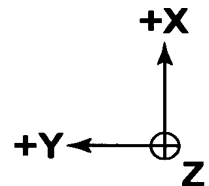
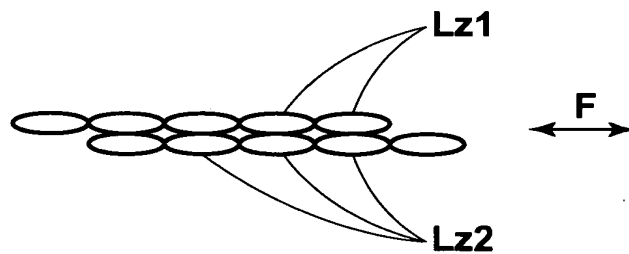
**FIG.27C**

Ex 4



**FIG.27D**

Ex 5





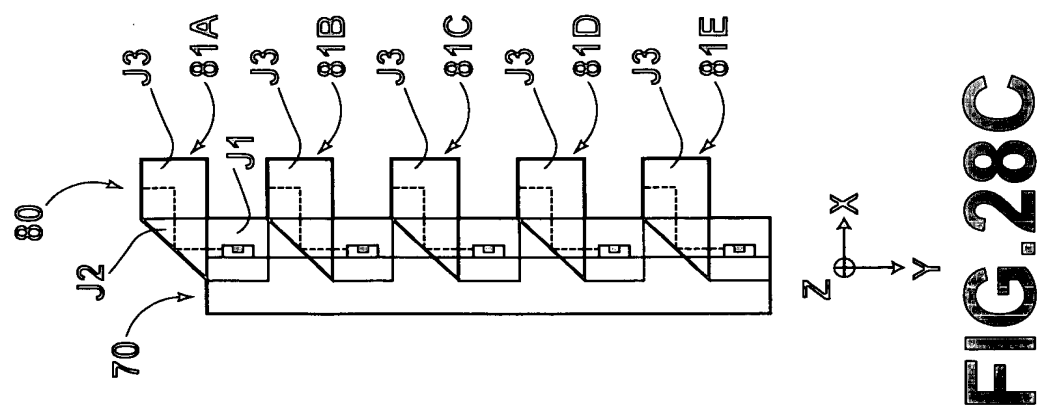
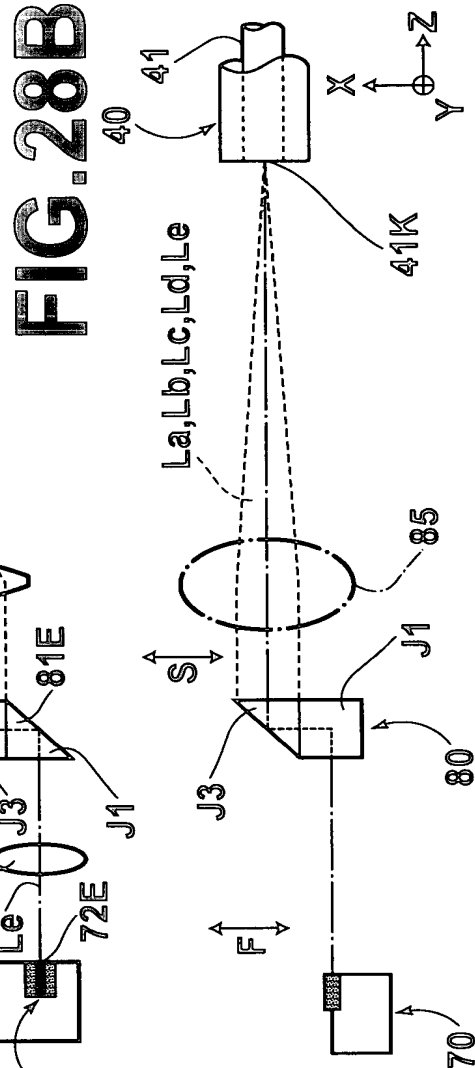
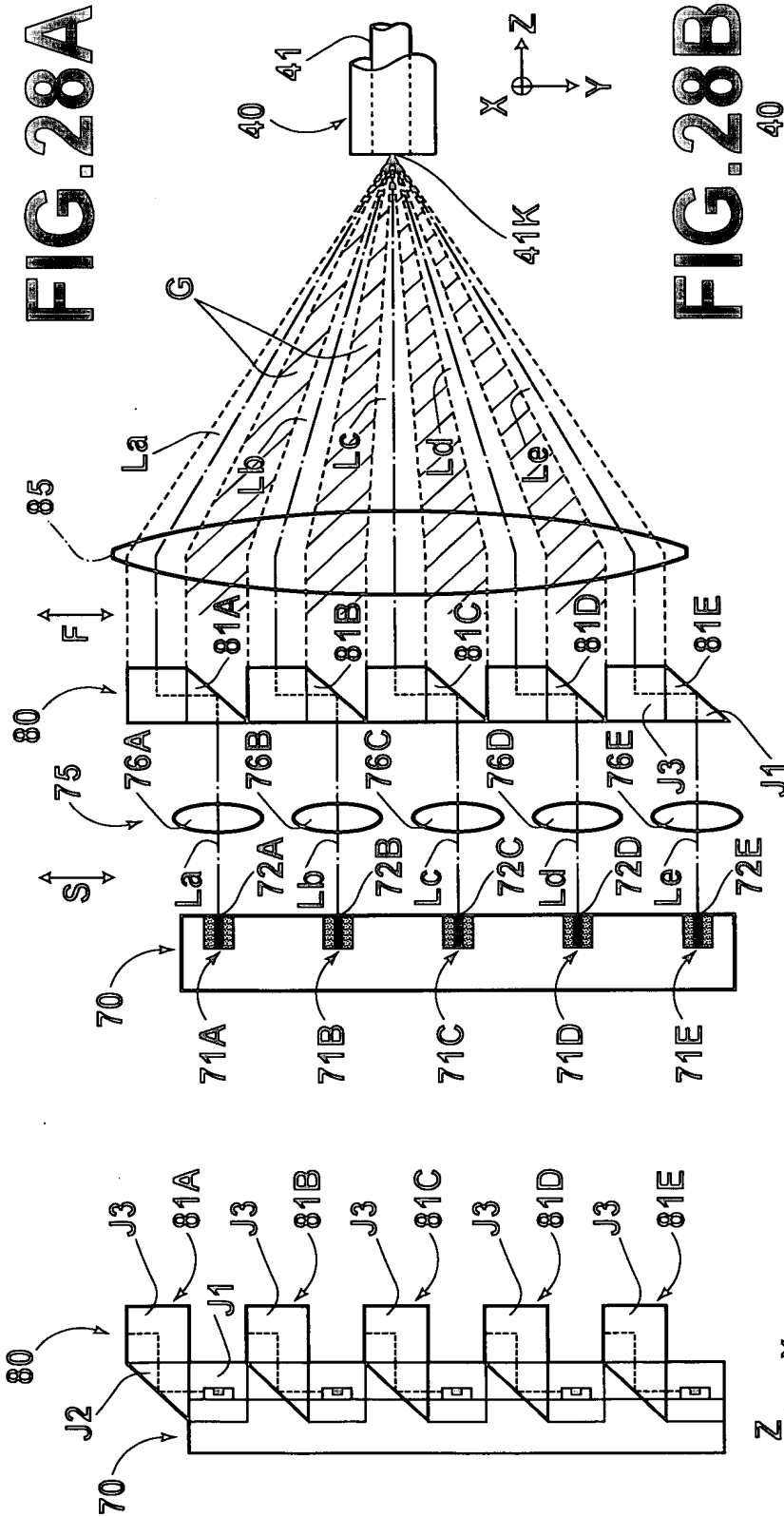


FIG. 29A

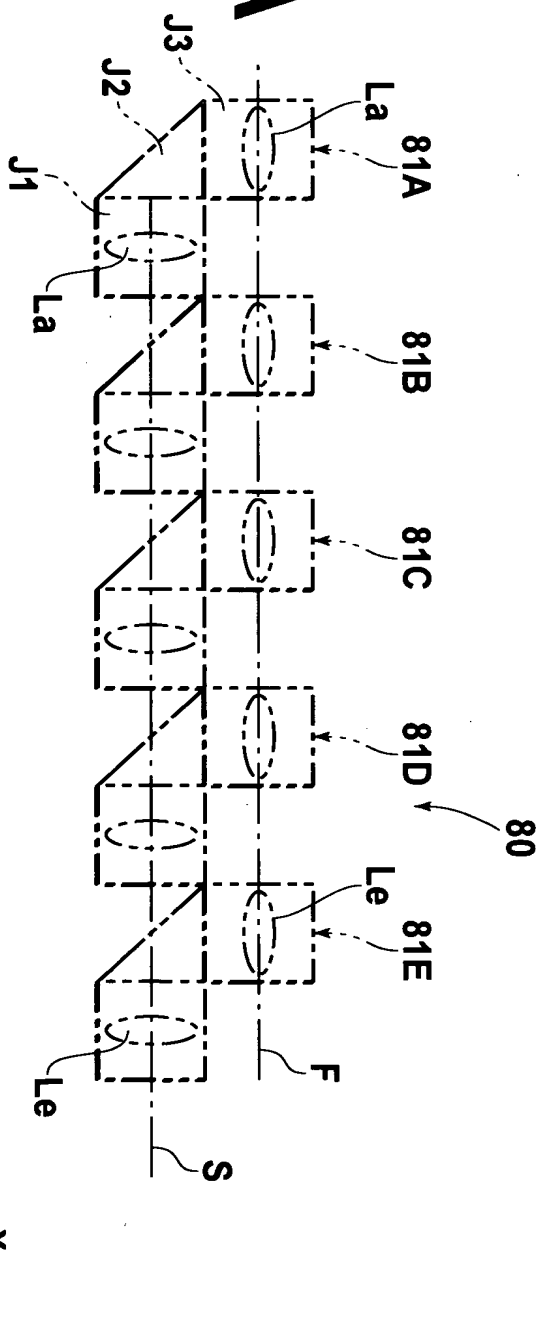


FIG. 29B

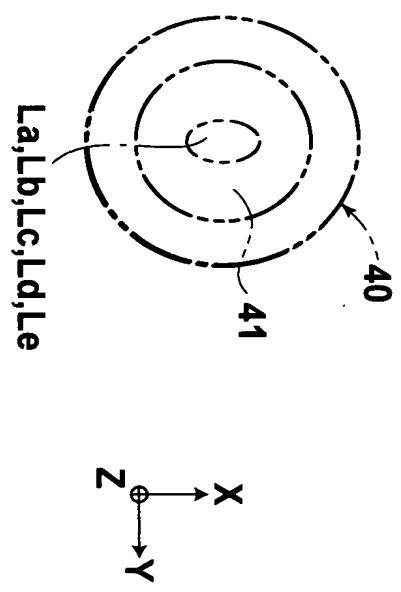


FIG.30

